

2008 Engineering Conference Breakout Period 9.

2. ProjectWise for Roadway Design

Track: Design

Presenters: Richard Morrow

Synopsis: Review how to use ProjectWise and InRoads together. Work with your design information in a managed environment, including managed workspaces. Lecture training will be provided using UDOT's ProjectWise and InRoads environments.

Time Required: 50 Minutes

30. Methods for estimating magnitude and frequency of peak flows for natural streams in Utah: Obtaining the elusive "Q"

Track: Research

Primary Presenters: Terry Kenney of USGS

Synopsis: Throughout most of Utah stream flow statistics are only available for gauged locations. Currently, those interested in acquiring these types of stream flow statistics for ungauged streams must conduct their own analyses. Comprehensive data acquisition, selection and proper employment of statistical techniques and quantitative evaluation of final results are critical components in these analyses. This is a web-based application for evaluating stream flow statistics for various users, including planners, roadway designers, and other users. This is a comprehensive geographic information system (GIS), complete with developed and evaluated stream flow statistical models, for those in need of flow statistics, acquire data from different sources, use an assortment of evaluation techniques, and generate results of varying confidence.

Time required: 50 Minutes

43. Keeping Roads Open After Unforeseen Emergencies

Track: Maintenance

Primary Contact: Lloyd Neeley

Presenters: Dave Babcock, Nathan Merrill, Mike Ellis

Synopsis: Dave Babcock will report on Price District's response to a pothole/blowout problem on SR-10, including the use of the now famous "steel plates", and on response to pothole problems in general. Nathan Merrill will report on Cedar City District's emergency grade raise of SR-56 when it was threatened by flooding from a rising Quichapa Lake west of Cedar City in 2005. Mike Ellis will describe UDOT Structures Division's response to bridge hits.

Time Required: 50 minutes

50. Effective communication - A main ingredient to successful Project Management

Track: Project Management

Presenter: Randy Wahlen (Mountain States Concrete Pipe Association)

Synopsis: Experts estimate that successful project managers spend 75 percent of their time in verbal interaction with others. Most engineers have never had classes in communication or technical writing. This presentation will go over concepts of effective communication.

Time Required: 50 Minutes

59. Mountain View Corridor Public Involvement Retrospective

Track: Public Involvement

Presenters: Teri Newell (UDOT), Eileen Barron (Parsons Brinckerhoff)

Synopsis: The Mountain View Corridor (MVC) Environmental Impact Statement is approaching a Record of Decision after more than five years of technical study, agency coordination, and public outreach. This session will highlight the MVC project team's approach to public communication and coordination, including how the team addressed controversial issues, worked with project stakeholders, and built relationships that helped bring resolution to issues that enabled the project to reach this decision point.

Time Required: 50 minutes

66. Planning document in a controversial environment

Track: System Planning and Programming

Presenters: Maria Vyas (Fehr & Peers)

Catherine Cutler (UDOT Environmental)

Synopsis: Basically we worked on a trail project down in Springdale, helping them evaluate some trail alignments along the Virgin River, and had this handful of reluctant property owners to contend with, so everything we did practically had to be bulletproof. Wasn't even an environmental document, just a feasibility study, but with the level of dissent we had to cover our bases.

Time Required: 50 Minutes

72. UDOT Materials Database – Update & Progress

Track: Materials

Presenters: George Lukes

Synopsis: Central Materials has continued its development of a web-based Materials Database. The direction of the application changed slightly to be developed in APEX rather than Java. Since October 2007, the following modules have come online and have been developed in APEX (or the Java application has been converted to APEX): binder, concrete, HMA mix design verification letter, cementitious materials, paint, structural coatings, equipment and project accounting (T66 reporting). It is expected that qualified suppliers, untreated base course, aggregate, TTQP/QA/IA and field verification testing will be developed and added prior to the '09 construction season. In addition, contractor and supplier access is expected to become available. This session will summarize where the database has been, where it is now and where it is going. Further, some short demonstrations of its capabilities will be shown.

Time Required: 50 minutes

79. High School Student Session

Track: Leadership/Organizational Issues

Presenters: Rick Murdock

Synopsis: A UDOT-sponsored informational session for High School Student attendees.

Time Required: 90 minutes